

Title (en)
MACHINING METHOD FOR MACHINE TOOL.

Title (de)
BEARBEITUNGSVERFAHREN FÜR WERKZEUGMASCHINE.

Title (fr)
PROCEDE D'USINAGE POUR MACHINE-OUTIL.

Publication
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Application
EP 84903990 A 19841030

Priority
JP 20457583 A 19831031

Abstract (en)
[origin: US4692873A] PCT No. PCT/JP84/00523 Sec. 371 Date Jun. 25, 1985 Sec. 102(e) Date Jun. 25, 1985 PCT Filed Oct. 30, 1984 PCT Pub. No. WO85/01909 PCT Pub. Date May 9, 1985. A curved surface machining method for machining a curved surface through unidirectional cutting by automatically creating a pick-feed path that will not cause a tool (TL) to strike a workpiece when a pick-feed is performed, pick-feeding the tool along the path, and thereafter performing cutting. The pick-feed path is obtained by using a given tool retraction quantity *l* for retracting the tool from a cutting path end point *Pe*, a clearance plane (CPL), coordinate values of the cutting end point *Pe*, and coordinate values of a cutting starting point *Ps* on the next cutting path. Specifically, there are obtained: coordinate values of a point *Pa* distanced from the cutting path end point *Pe* by the tool retraction quantity *l* in the direction of the central axis of the tool; coordinate values of the foot *Pb* of a perpendicular dropped from the point *Pa* to the clearance plane (CPL); coordinate values of a point *Pd* distanced from the cutting starting point *Ps* of the next cutting path (PT2) by the tool retraction quantity *l* in the direction of the central axis of the tool; and coordinate values of the foot *Pc* of a perpendicular dropped from the point *Pd* to the clearance plane. The path *Pe*->*Pa*->*Pb*->*Pc*->*Pd*->*Ps* serves as the pick-feed path.

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G05B 19/41 (2013.01 - EP US); **G05B 2219/49381** (2013.01 - EP US); **G05B 2219/49385** (2013.01 - EP US)

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• No relevant documents have been disclosed.
• See references of WO 8501909A1

Cited by
US5289383A; EP0459251A1; EP0320182A1

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